



CHUSKA ENERGY COMPANY

3315 BLOOMFIELD HIGHWAY • FARMINGTON, NEW MEXICO 87401 • PHONE: (505) 326-5525

5 March, 1991

State of Utah Department of Natural Resources
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Building, Suite 350
Salt Lake City, Utah 84180-1203

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MAR 08 1991

**DIVISION OF
OIL GAS & MINING**

Ref: Application for Permit to Drill
Heron-35H Well, San Juan County, Utah

Gentlemen

Attached for your examination and approval is the original and two copies of an Application for Permit to Drill the Heron Well No. 35H in San Juan County, Utah. This well will be drilled as part of an ongoing exploration and development program.

The location for this well falls outside the guidelines for the State of Utah spacing requirements. However, various archaeological sites and the presence of a nearby road in the area surrounding the desired location preclude the well being located in accordance with State requirements and yet remain in a position which will allow the well bore to penetrate geological structures which have been identified by seismic interpretation. We therefore apply for an exception to the General State Spacing requirements on topographic grounds. Chuska Energy controls the acreage surrounding the proposed site, as indicated on the attached land plat.

Please advise if you require additional information concerning this application. Chuska Energy will greatly appreciate your prompt consideration.

Sincerely,

Larry G. Sessions
Larry G. Sessions
Operations Manager

LGS/csw
File: C:\WP51\HERON.35h\APDCOVER

encl.

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OIL, GAS & MINING**

CHUSKA ENERGY COMPANY

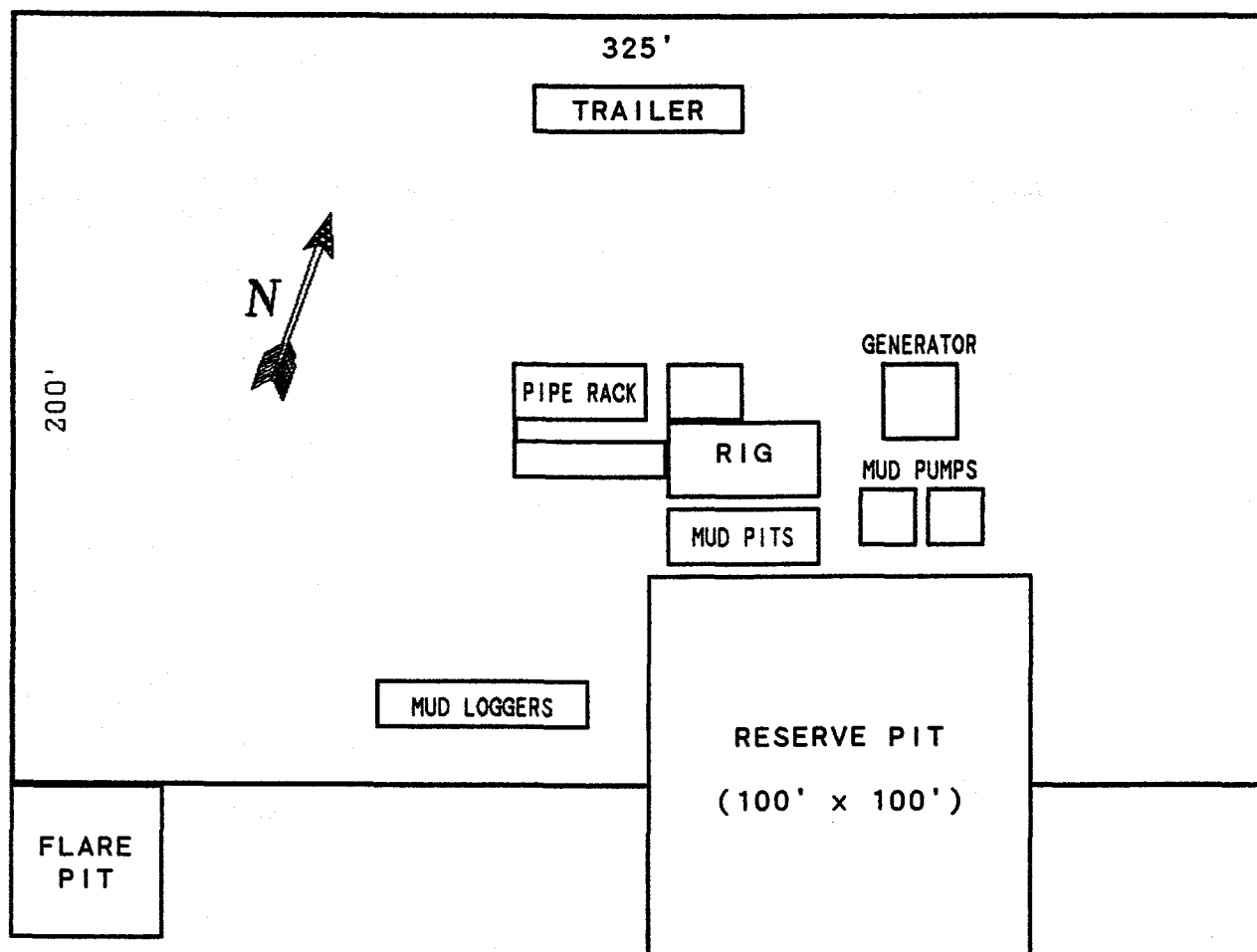
LOCATION LAYOUT

HERON-35H

1860' FNL, 370' FEL

SECTION 35, TOWNSHIP 41S, RANGE 25E

SAN JUAN COUNTY, UTAH



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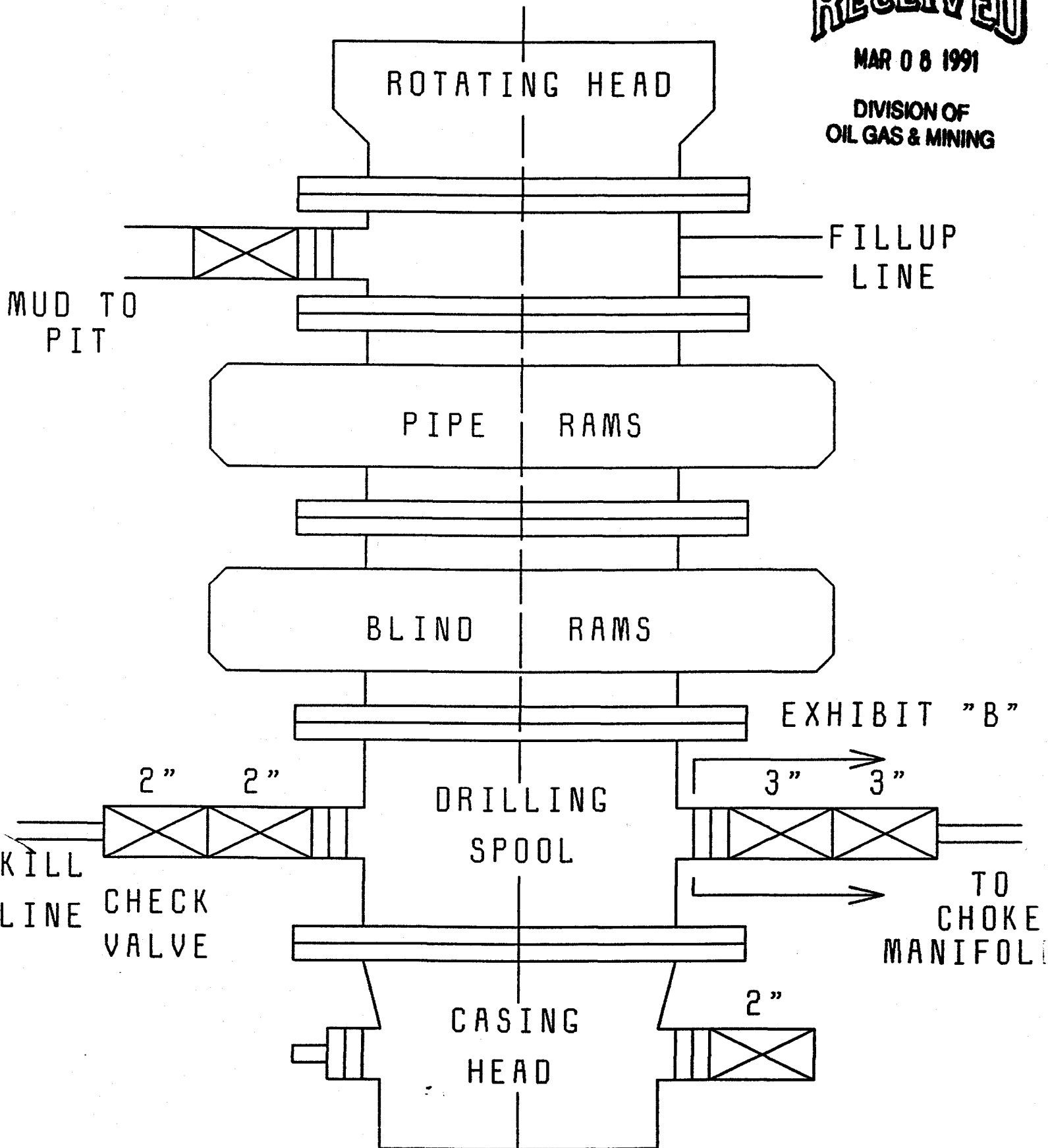
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EXHIBIT "A"
BLOWOUT PREVENTER

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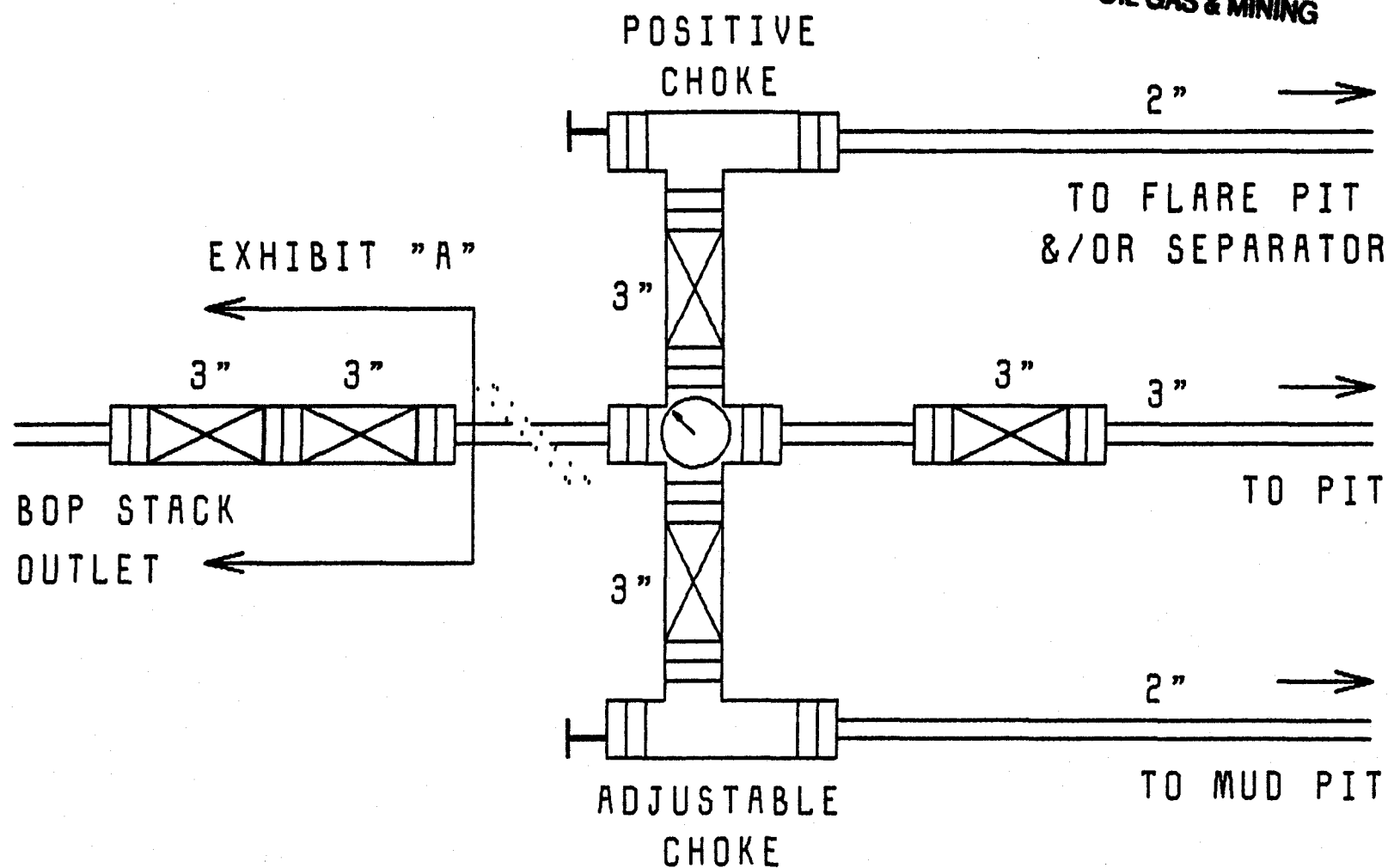


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EXHIBIT "B"
CHOKE MANIFOLD



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. NOG 8702-1116		
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo Tribal		
2. NAME OF OPERATOR Chuska Energy Company			7. UNIT AGREEMENT NAME		
3. ADDRESS OF OPERATOR 3315 Bloomfield Highway, Farmington, New Mexico 87401			8. FARM OR LEASE NAME Heron		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At Surface 1860' FNL, 370' FEL At proposed prod. zone Same			9. WELL NO. 35H		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 4 miles South East of Aneth, Utah			10. FIELD AND POOL, OR WILDCAT Wildcat Undesignated		
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1,030'			11. SEC., T., R., N., OR BLK. AND SURVEY OR AREA S35 T41S R25E		
16. NO. OF ACRES IN LEASE 49,997			12. COUNTY OR PARISH San Juan		
17. NO. OF ACRES ASSIGNED TO THIS WELL			13. STATE Utah		
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 7,428'			19. PROPOSED DEPTH 5,760' GR Akah		
20. ROTARY OR CABLE TOOLS Rotary			21. APPROX. DATE WORK WILL START 6-30-91		
22. ELEVATIONS (Show whether DF, RT, GR, etc.) 4,760' GR					

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24 lb	500'	371 sx 'G' + 2% CaCl ₂
7 7/8"	5 1/2"	15.5 lb	5,760'	800 sx 'G', 65:35 Po ₂ + 6% GeI

Refer to attached 10-Point Drilling Plan etc.

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IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM : If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED [Signature] TITLE Operations Engineer DATE 5 March, 1991

(This space for Federal or State office use)

API PERMIT NO. 43-037-31615

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

APPROVAL DATE

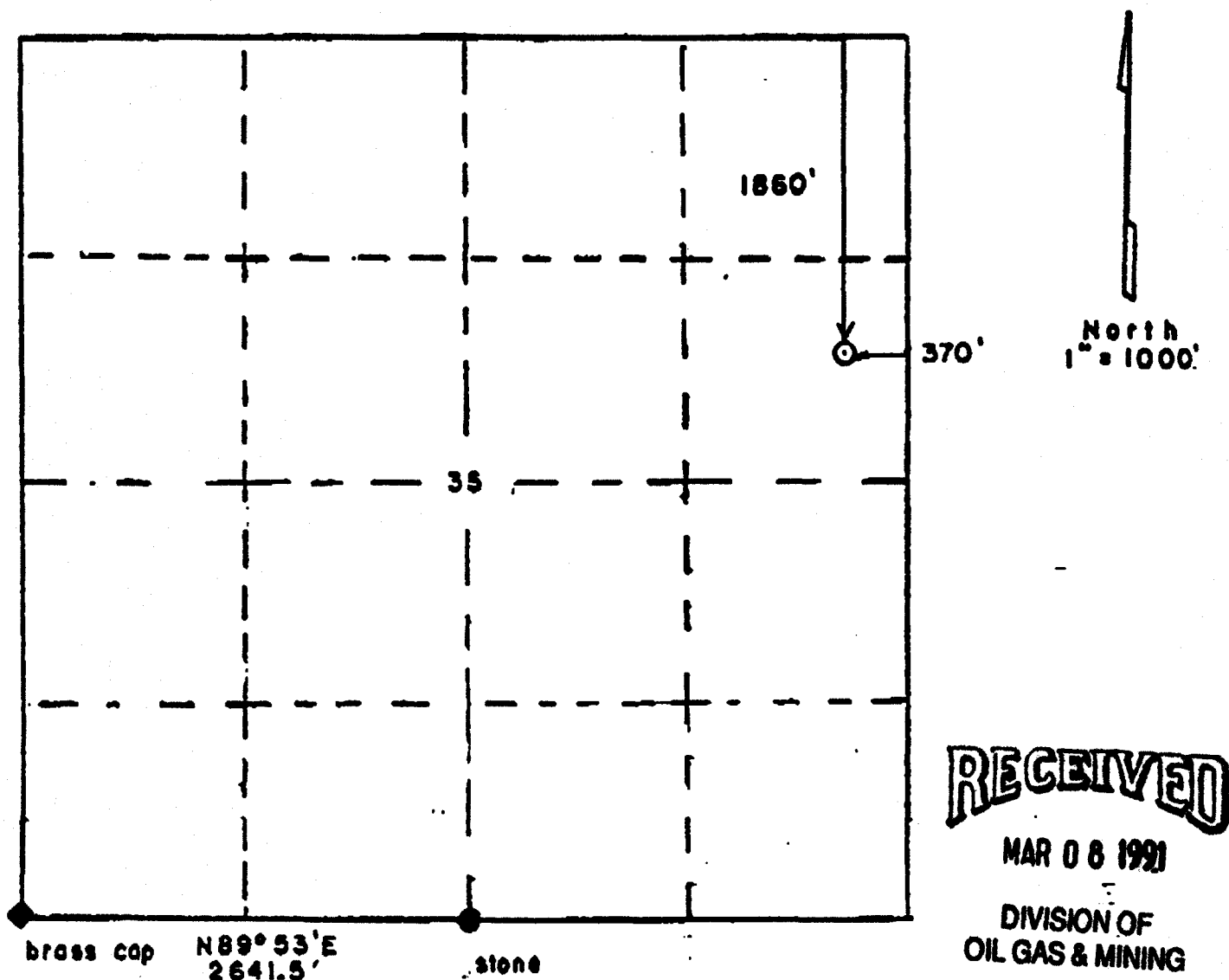
APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL GAS, AND MINING

DATE

BY

*(See Instructions On Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any officer or employee of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

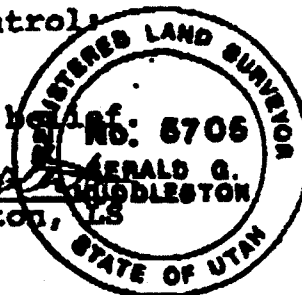
WELL LOCATION PLATWELL LOCATION DESCRIPTION:

CHUSKA ENERGY CO., Heron 35 - H
 1860' FNL & 370' FBL
 Section 35, T.41 S., R.25 E., SLM
 San Juan County, UT
 4760' ground elevation
 State plane coordinates from seismic control:
 X = 2,689,111 Y = 195,973

The above is true and correct to my knowledge and belief.


27 February 1991

Gerald G. Huddleston
 Gerald G. Huddleston, LS



CROSS SECTION

Heron 35 - B

Cut // // // //
Fill 

1"=50' vert. & horz.



c

c'



b

b'



a

a'

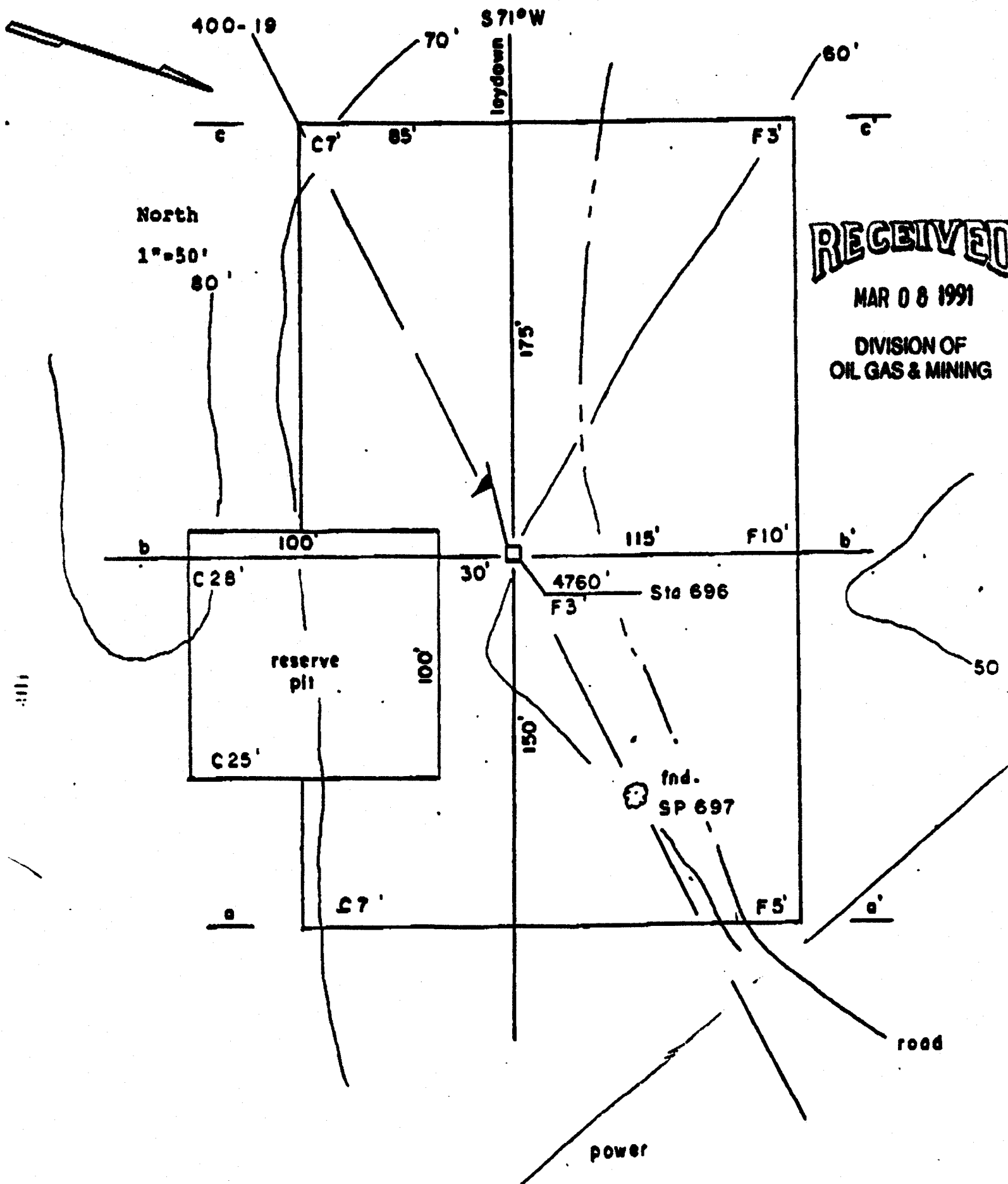
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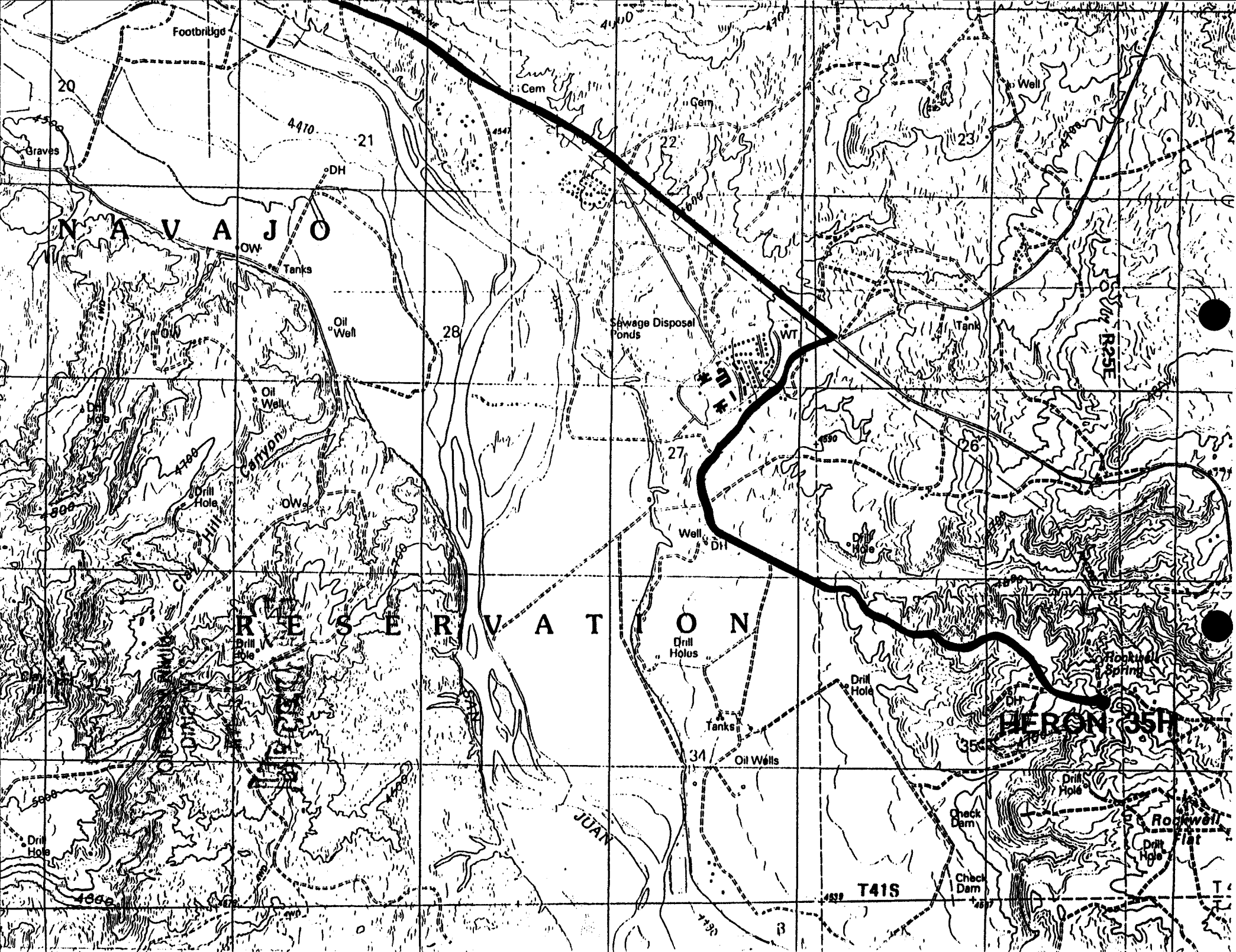
MAR 08 1991

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PLANVIEW SKETCH

Boxon 35 - H





CHUSKA ENERGY COMPANY

10 POINT DRILLING PLAN

Heron Well No. 35H
Section 35, Township 41S, Range 25E
1860' FNL, 370' FEL
San Juan County, Utah

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1. SURFACE FORMATION

Geological name of surface formation: Morrison

2. ELEVATION

Surface elevation is 4,760' GR.

3. ESTIMATED FORMATION TOPS

<u>Depth</u>	<u>Formation</u>	<u>Sub Sea Elevation</u>	
Surface	Morrison	+ 4,760'	
801'	Navajo	+ 3,959'	
1,551'	Chinle	+ 3,209'	
2,691'	DeChelly	+ 2,069'	
2,841'	Organ Rock	+ 1,919'	
3,466'	Cedar Mesa	+ 1,294'	
4,538'	Hermosa	+ 222'	
5,385'	Upper Ismay	- 625'	
5,490'	Lower Ismay	- 730'	Secondary Objective
5,538'	Desert Creek	- 778'	Primary Objective
5,719'	Akah	- 959'	
5,760'	Total Depth	- 1,000'	

4. PROPOSED CASING/CEMENTING PROGRAM

	<u>Depth</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Coupling</u>
Surface	500'	8 5/8"	24 lb	K-55	STC
Production:	5,760'	5 1/2"	15.5 lb	K-55	STC

Surface Cementing:

371 sx (427 ft³) Class 'G' cement with 2% CaCl₂ and 1/4 lb/sk Celloflake. Weight = 15.8 ppg, yield = 1.15 ft³/sk. Slurry volume calculated at 100% excess over annular volume.

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Production Cementing:

First Stage

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OIL GAS & MINING

T.D. to 3,500' (stage collar @ \pm 3,500'). Lead with 169 sx Class 'G' cement, 65:35 Pozmix, with 6% gel and 1/4 lb/sk Celloflake. Weight = 12.7 ppg, yield = 1.85 ft³/sk. Tail with 176 sx Class 'G' cement with 2% CaCl₂. Weight = 15.8 ppg, yield = 1.15 ft³/sk. Total of 514 ft³. Bring Class 'G' slurry to 500' above top of Upper Ismay. Cement volumes calculated at 30% excess in open hole. WOC 4 hours between stages.

Second Stage

3,500' to surface. Lead with 355 sx Class 'G' cement, 65:35 Pozmix with 6% gel and 1/4 lb/sk Celloflake. Weight = 12.7 ppg, yield = 1.85 ft³/sk. Tail with 100 sx Class 'G' cement with 2% CaCl₂. Weight = 15.8 ppg, yield = 1.15 ft³/sk. Total of 772 ft³. Cement volumes calculated at 30% excess in open hole.

Note: Exact slurry volumes for the production string will be adjusted according to the caliper log which will be run prior to cementing. Special adjustments may be necessary if significant amounts of salt are drilled.

5. BLOWOUT PREVENTER (See attached schematics)

As abnormal pressure is not anticipated, a 2,000 psi BOP system would be sufficient for the drilling of this well. However, due to availability constraints, a 3,000 psi system will be used, as per the attached Exhibits "A" and "B". This will be a 10" x 900 Series double ram preventer, equipped with a set of pipe and blind rams.

An accumulator system, with a pressure capacity sufficient to operate the rams three complete cycles without rig power, will be required as part of the rig equipment.

6. PROPOSED MUD PROGRAM

Surface to 3,000'

Fresh water, gel, lime and native solids. Weight 8.3 - 8.7 ppg. Gel/lime sweeps as necessary for hole cleaning.

3,000' to T.D.

Low solids, non-dispersed polymer system. Weight 8.6 - 9.5 ppg. Gel/lime sweeps as hole conditions dictate for hole cleaning. Fluid loss to be maintained at 15 - 20 cc. Fluid loss to be further reduced to 15 cc or less prior to coring, logging or DSTs.

7. AUXILIARY EQUIPMENT

- A. A kelly cock will be installed during drilling operations, with handle available on the rig floor.
- B. Floor (stabbing) valves will be available, on the rig floor at all times, with necessary subs to fit all of the drilling assemblies.
- C. Mud will be the circulating fluid. No abnormal formation pressures are expected.

8. WELL EVALUATION

Open hole electric logging program will consist of a minimum program of DLL-MSFL-SP-GR-Cal, FDC-CNL-GR-Lithodensity from T.D. to 4,500'.

Coring and/or drill stem testing will be as per the wellsite geologist's recommendations, based on shows. A mud logging unit will be utilized during drilling operations from at least 500' above the Upper Ismay.

9. ABNORMAL PRESSURES/GAS

Abnormal pressures are not anticipated. Monitoring of gas and hydrocarbon shows will be by wellsite mud logging unit. H₂S gas is not anticipated, however regular checks will be made while drilling the well.

10. TIMING

The drilling and evaluation of this well is estimated to be 18 days. Anticipated spud date is 6-30-91.

EXHIBIT "A"
BLOWOUT PREVENTER

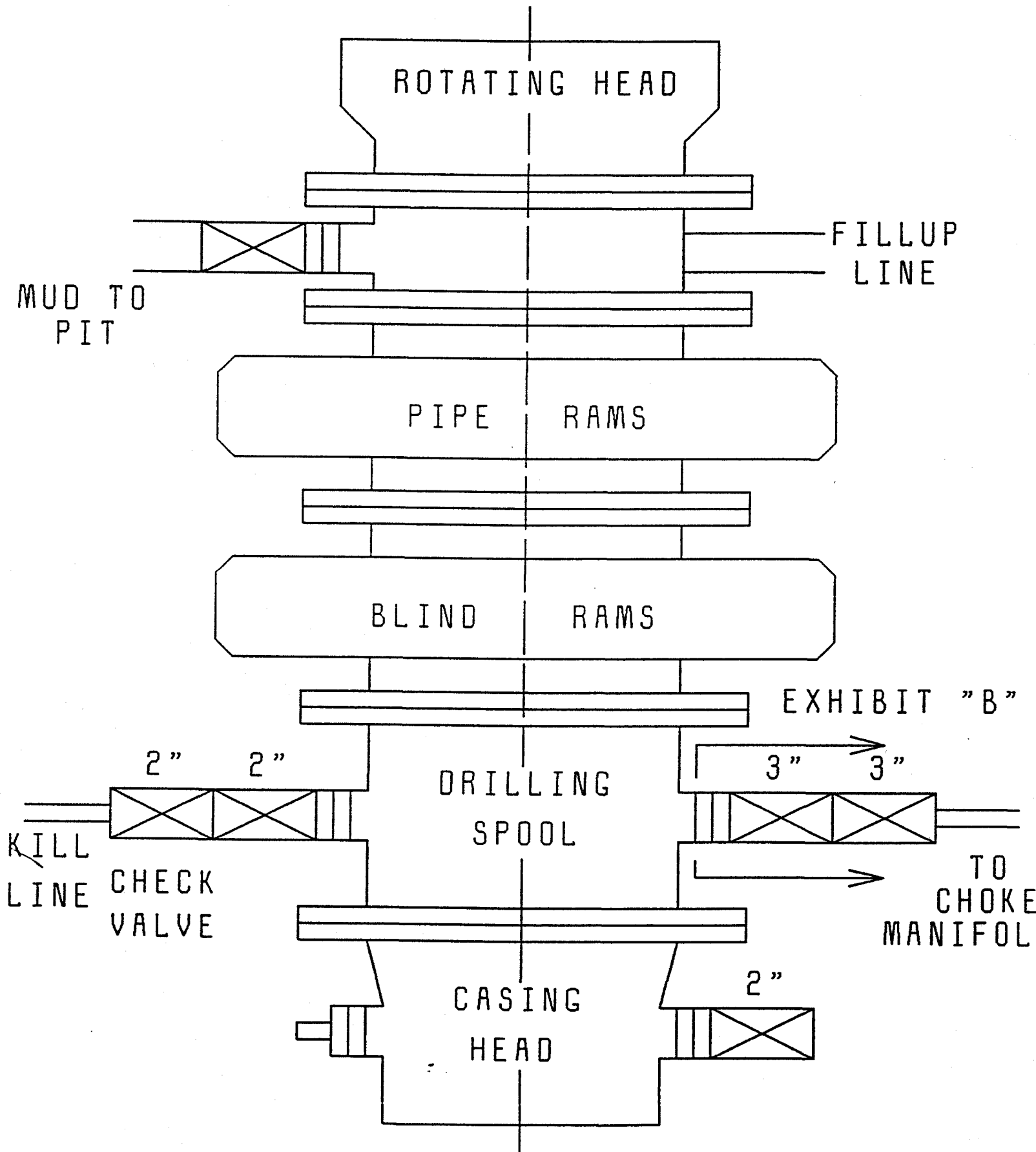
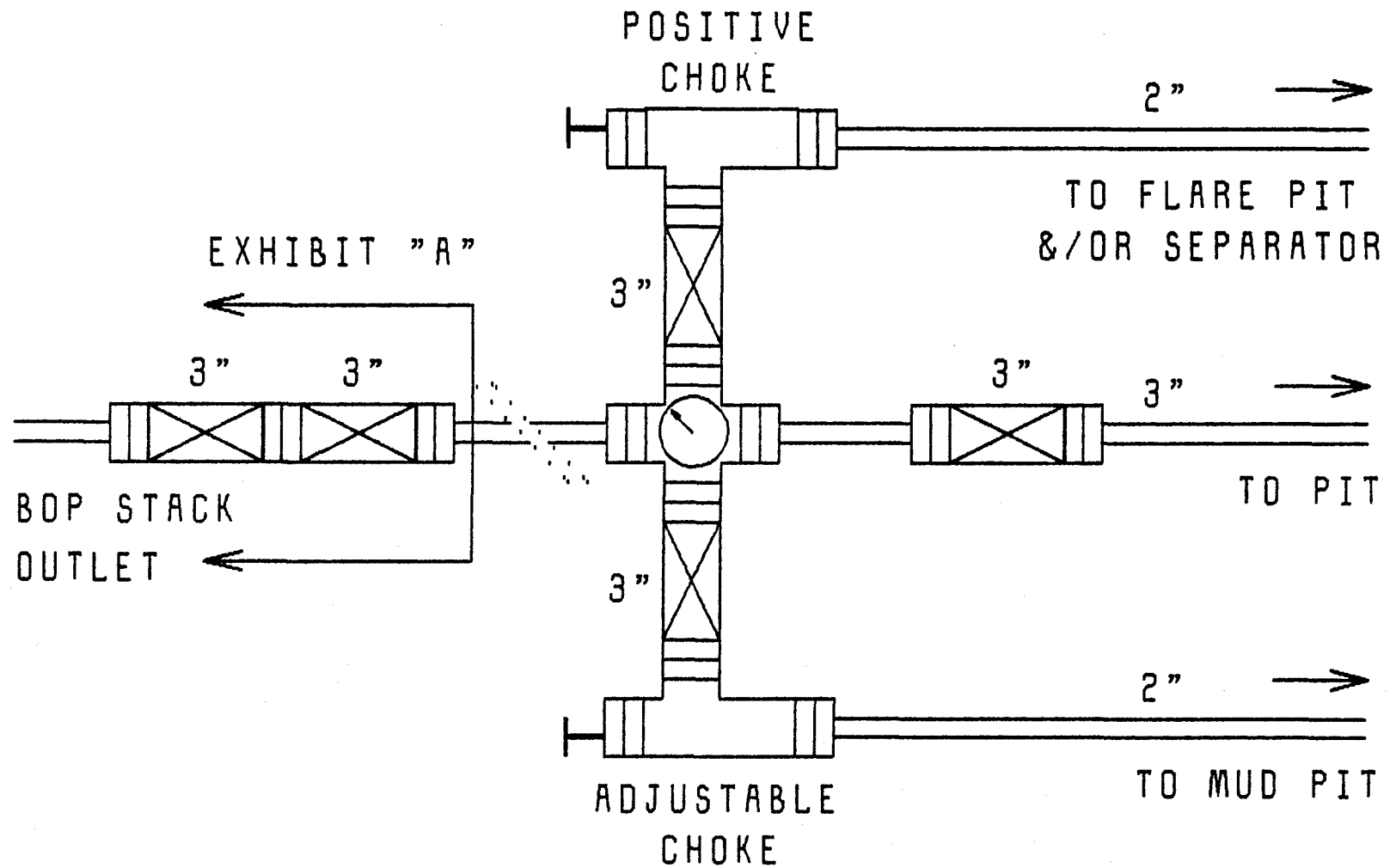


EXHIBIT "B"
CHOKE MANIFOLD



DETAILED DRILLING PROGRAM

DATE: 5 March, 1991

WELL NAME: Heron WELL NO.: 35H

LOCATION: Section 35, Township 41S, Range 25E
1860' FNL, 370' FEL
San Juan County, Utah

ELEVATION: 4,760' GR

TOTAL DEPTH: 5,760' GR

PROJECTED HORIZON: Primary target is Desert Creek at 5,686'.
Secondary target is Lower Ismay at 5,490'.

DRILLING, CASING AND CEMENTING PROGRAM

1. Move in and rig up rotary tools. Notify BLM of time of spud and intent to run surface casing.
2. Drill mouse hole and rat hole. Mix mud prior to spudding well.
3. Drill 12 1/4" hole to \pm 500'. Use fresh water gel/lime spud mud for drilling surface hole. Well bore inclination is not to exceed 1° at 500'. Deviation surveys will be run at least at 250' and at casing point.
4. Run 8 5/8", 24 lb/ft, K-55, STC casing to T.D. Cement with 371 sx (427 ft³) of Class 'G' cement with 2% CaCl₂ and 1/4 lb/sk Celloflake (sufficient slurry volume to circulate cement to surface).
5. W.O.C. a minimum of 4 hours prior to nipping up BOP stack and related equipment. See BOP schematics for details.
6. Ensure that plug has been down at least 8 hours prior to commencing pressure testing procedures. Pressure test BOP to 2,000 psig for 30 minutes. Pressure test manifold and all related equipment to 2,000 psig. Pressure test casing to 1,500 psig for 30 min.
7. Drill out surface casing with 7 7/8" bit. Drill 7 7/8" hole to T.D. Deviation surveys are to be taken every 500' or on a bit trip, whichever occurs first. Maximum allowable deviation will be 5° at T.D., with the maximum allowable rate of change to be 1°/100'.
8. Run open hole logs and evaluate. Coring and/or drill stem testing will be as per wellsite geologist's recommendation.

9. If the well is determined to be productive, run 5 1/2", 15.5 lb/ft, K-55, STC casing to T.D. Set stage cementing collar at \pm 3,500'. In addition to placing centralizers over potential production zones, they will also be run to cover the aquifer sands of the Navajo and DeChelly formations, as per BLM stipulations. Cement production casing in two stages as per cementing program in 10-point Drilling Plan.
10. Nipple down BOPE. Set 5 1/2" casing slips and cut off casing. Install well head. Release drilling rig and move rig off location.
11. If well is non-productive it will be plugged and abandoned as per State, BLM and Navajo Tribal stipulations.

Heron Well No. 35H
Section 35, Township 41S, Range 25E
1860' FNL, 370' FEL
San Juan County, Utah

GENERAL COMPLETION PROCEDURE

If the well is determined to be productive, move in completion rig. Perforate, acidize, and test each productive porosity zone. Completion work will commence after Sundry Notice approval is received. Detailed procedures will follow.

PLUGGING AND ABANDONMENT

If the well is determined not to be productive, the well bore will be plugged as per BLM, State and Navajo Tribal requirements.

Heron Well No. 35H
Section 35, Township 41S, Range 25E
1860' FNL, 370' FEL
San Juan County, Utah

SURFACE USE PLAN

1. EXISTING ROADS

Shown on the attached topographic map are the existing roads in the immediate area. Outlined is the route to be followed from Aneth. Existing roads will be maintained, as necessary, while operations are in progress.

2. PLANNED ACCESS ROAD

The access road will be as shown on the attached topographic map. The road will be flat bladed, constructed 14' in width and will be maintained as necessary to prevent excessive damage to the existing terrain. The road will be upgraded if commercial production is established. Due to the well's proximity to an existing road, it is anticipated that less than 100' of new road will need to be constructed to the location pad.

3. LOCATION OF EXISTING WELLS & TANK BATTERIES

There are no other producing wells or facilities in the immediate area.

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

No production facilities are presently in place. Should the well prove to be productive, facilities (tank battery etc) will be sited on the drilling location pad.

5. LOCATION & TYPE OF WATER SUPPLY

Water will be acquired from the San Juan River or McElmo Creek and will be hauled using Chuska Energy Company water trucks, under State of Utah Division of Water Rights Permit Numbers 09-1724, (T64796) or 09-1723 (T64795).

6. SOURCE OF CONSTRUCTION MATERIALS

The need for additional construction materials is not anticipated. In the event that additional materials are required, they will be acquired either from private sources or with the approval of the Navajo Nation.

7. METHODS OF HANDLING WASTE MATERIAL

Trash will be contained on location in an enclosed bin. It will be hauled to an approved disposal site or burned on location if a burning permit is granted. The reserve pit will be lined as required, with an approved 7 mil liner, for containing drilling fluids. The pit will also be fenced. All drilling fluids, cuttings and chemical waste will be stored in the reserve pit. Liquid hydrocarbons will be stored in temporary storage tanks and hauled from location to approved sales facilities. The reserve pit will be emptied, back filled and restored to natural terrain status upon completion of drilling operations.

8. ANCILLARY FACILITIES

Chemical portable toilet facilities will be provided on location during drilling and completion operations. No camps or air strips are planned for this well.

9. WELL SITE LAYOUT

Attached is a surveyor's staking plat, cut and fill diagram and a schematic of the proposed rig layout.

10. PLANS FOR RESTORATION OF THE SURFACE

The location is laid out on a roughly east west trend and will require up to 28' of cut in the reserve pit (up to 7' of cut on the south side of the location pad) and up to 5' of fill in the north eastern corner of the location pad. Top soil removed from the pad will be stored at the well site. A reserve pit will be built on terrain containing sparse native vegetation. After drilling operations are complete, drilling fluid in the reserve pit will be allowed to evaporate. All remaining fluid in the pit will be disposed of into an approved disposal site. The reserve pit will remain fenced during the evaporation and disposal process. The pit will then be covered and the topsoil will be returned to the disturbed area. The terrain will be returned as near to its original condition as possible. Following operations, rehabilitation seeding will be in accordance with APD/BLM/BIA stipulations. There are no residents in the immediate area of the site.

11.

OPERATORS REPRESENTATIVE

CHUSKA ENERGY COMPANY
3315 BLOOMFIELD HIGHWAY
FARMINGTON, NEW MEXICO 87401
LARRY G. SESSIONS

12. CERTIFICATION

I hereby certify that either I, or persons under my direct supervision have inspected the proposed drill site and access route: that I am familiar with the conditions which presently exist: that the statements made in this plan are, to the best of my knowledge, true and correct and that the work planned will be performed by Chuska Energy, or its sub-contractors, in conformity with the terms and conditions under which it is approved.


LARRY G. SESSIONS
Operations Manager

CHUSKA ENERGY COMPANY

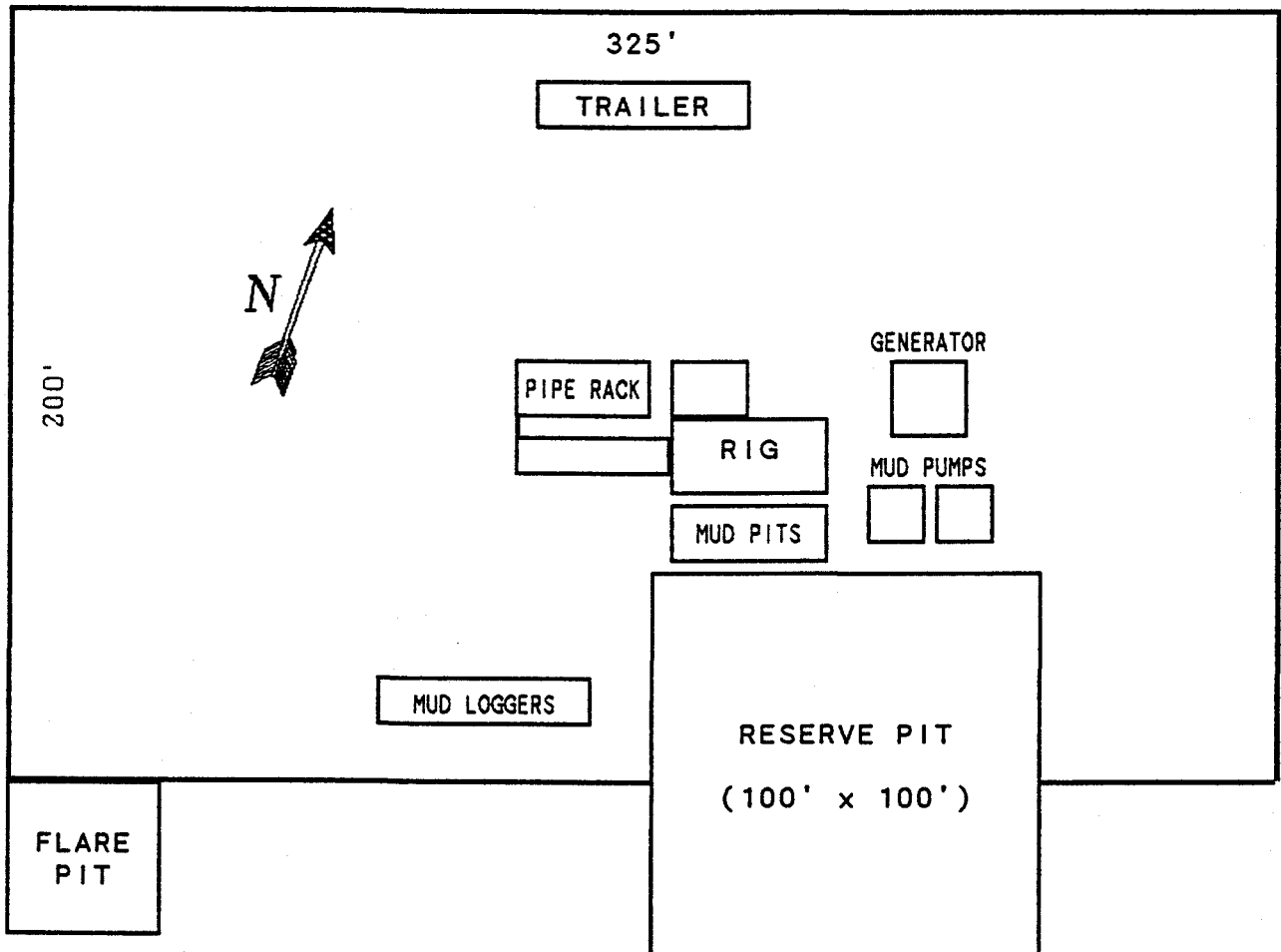
LOCATION LAYOUT

HERON-35H

1860' FNL, 370' FEL

SECTION 35, TOWNSHIP 41S, RANGE 25E

SAN JUAN COUNTY, UTAH



OPERATOR Chulka Energy Co N-9090 DATE 3-26-91

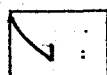
WELL NAME Huron 35H

SEC SENE 35 T 41S R 05E COUNTY San Juan

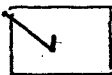
43-037-31615
API NUMBER

Indian (S)
TYPE OF LEASE

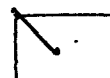
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PLAT.



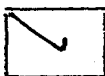
BOND



NEAREST
WELL



LEASE



FIELD
GLDM



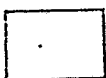
POTASH OR
OIL SHALE

PROCESSING COMMENTS:

No other producing well within Sec. 35.
Water Permit 09-17024 (TW4796) or 09-17023 (TW4795)
Request for exception location.

APPROVAL LETTER:

SPACING:



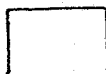
R615-2-3

N/A

UNIT



R515-3-2



N/A

CAUSE NO. & DATE



R615-3-3

STIPULATIONS:

CC: BIA

CONFIDENTIAL
PERIOD
EXPIRED
ON 8-20-92



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter
Governor

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

March 26, 1991

Chuska Energy Company
3315 Bloomfield Highway
Farmington, New Mexico 87401

Gentlemen:

Re: Heron 35H Well, 1860 feet from the North line, 370 feet from the East line, SE NE, Section 35, Township 41 South, Range 25 East, San Juan County, Utah

Approval to drill the referenced well is hereby granted in accordance with Utah Admin. R.615-3-3, subject to the following stipulations:

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification within 24 hours after drilling operations commence.
2. Submittal of Entity Action Form 6, within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.
3. Submittal of the Report of Water Encountered During Drilling, Form 7.
4. Prompt notification in the event it is necessary to plug and abandon the well. Notify R. J. Firth, Associate Director, (Office) (801) 538-5340, (Home) 571-6068, or J. L. Thompson, Lead Inspector, (Home) 298-9318.
5. Compliance with the requirements of Utah Admin. R.615-3-20, Gas Flaring or Venting.

Page 2
Chuska Energy Company
Heron 35H
March 26, 1991

6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of Drinking Water/Sanitation, telephone (801) 538-6159.
7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

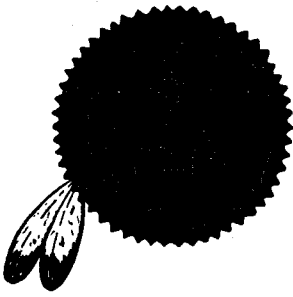
The API number assigned to this well is 43-037-31615.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

tas
Enclosures
cc: Bureau of Land Management
Bureau of Indian Affairs
J. L. Thompson
we14/1-22



CHUSKA ENERGY COMPANY

1775 SHERMAN STREET - SUITE 1800 • DENVER, COLORADO 80203 • PHONE: (303) 863-7021
FAX #: (303) 863-7210

May 17, 1991

Ms. Vicki Kearney
Utah Oil & Gas Commission
355 West North Temple
Three Triad Center
Suite 350
Salt Lake City, Utah
84180-1203

Dear Ms. Kearney:

Please keep all Chuska Energy Company data confidential until further notice.

Thanks,

Herbert P. Mosca
Chuska Staff Geologist

RECEIVED

MAY 20 1991

DIVISION OF
OIL GAS & MINING

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other _____ 1b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other <u>SEP 0</u>						5. LEASE DESIGNATION AND SERIAL NO. NOG 8702-1116	
2. NAME OF OPERATOR Chuska Energy Company						6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo Tribal	
3. ADDRESS OF OPERATOR 3315 Bloomfield Hwy. Farmington, NM 87401						7. UNIT AGREEMENT NAME Heron	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 1860' FNL, 370' FEL At top prod. interval reported below SAME At total depth Same						8. WELL NO. 35 H	
14. API NO. 43-037-31615						12. COUNTY San Juan	
DATE ISSUED 3-26-91						13. STATE Utah	
15. DATE SPUDDED 7-18-91		16. DATE T.D. REACHED 7-20-91		17. DATE COMPL. (Ready to prod.) 7-21-91 (Plug & Abd.)		18. ELEVATIONS (OF, BEB, RT, GR, ETC.) 4760' GR/ 4773' KB	
19. ELEV. CASINGHEAD 4760' GR		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA S35-T41S-R25E					
20. TOTAL DEPTH, MD & TVD 1,444 KB						21. PLUG BACK T.D., MD & TVD Surface	
22. IF MULTIPLE COMPL. HOW MANY 1						23. INTERVALS DRILLED BY Rotary	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) SAME						25. WAS DIRECTIONAL SURVEY MADE NO	
26. TYPE ELECTRIC AND OTHER LOGS RUN NO						27. WAS WELL CORED YES <input type="checkbox"/> NO <input type="checkbox"/> (Submit analysis) DRILL STEM TEST YES <input type="checkbox"/> NO <input type="checkbox"/> (See reverse side) NO	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED		
8 5/8"	24	523'	12 1/4"	375 sx 'G' 2% CaCl ₂ Circ	10 bbl to pit		
29. LINER RECORD							
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	30. TUBING RECORD		
					SIZE	DEPTH SET (MD)	PACKER SET (MD)
31. PERFORATION RECORD (Interval, size and number)							
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.				DEPTH INTERVAL (MD)			
AMOUNT AND KIND OF MATERIAL USED				NO			
33. PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in) Abandoned	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY	
35. LIST OF ATTACHMENTS Casing parted after drilling to 1,444' KB. Well plugged and abandoned.							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED <u>By A. Wheeler</u>				TITLE Operations Manager		DATE 5-26-93	

See Spaces for Additional Data on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> Other _____		5. LEASE DESIGNATION AND SERIAL NO. NOG 8702-1116	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESYR <input type="checkbox"/> Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo Tribal	
2. NAME OF OPERATOR Chuska Energy Company		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 3315 Bloomfield Highway, Farmington, NM 87401		8. FARM OR LEASE NAME Heron	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements): At Surface 1860' FNL, 370' FEL At top prod. interval reported below Same At total depth Same		9. WELL NO. 35-H	
14. PERMIT NO. 43-037-31615		10. FIELD AND POOL, OR WILDCAT Wildcat	
DATE ISSUED 3-26-91		11. SEC., T., R., N., OR BLOCK AND SURVEY OR AREA S35 T41S R25E	
12. COUNTY OR PARISH San Juan		13. STATE Utah	
15. DATE SPUDDED 7-18-91	16. DATE T.D. REACHED 7-20-91	17. DATE COMPL. (Ready to prod.) 7-21-91	18. ELEVATIONS (OF, RKB, RT, GR ETC.):* 4760 GR/4773 KB
19. TOTAL DEPTH, MD & 1,444' KB		20. PLUG BACK T.D., MD & TVD Surface	21. IF MULTIPLE COMPL., HOW MANY? 1
22. INTERVALS DRILLED BY Rotary		23. ROTARY TOOLS CABLE TOOLS	
24. PRODUCING INTERVAL(S), OF T.D. TO COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)		25. WAS A REGIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN		27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)			
CASING SIZE 8 5/8"	WEIGHT, LB./FT. 24	DEPTH SET (MD) 523'	AMOUNT PULLED 12 1/4" 375 lb. 3' - OK 300 lb. - OK 100 lb. to bit
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	PACKER SET (MD)
30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	PACKER SET (MD)
31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
		DEPTH INTERVAL (MD)	
		AMOUNT AND KIND OF MATERIAL USED	
33. PRODUCTION			
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)	
		WELL STATUS (Producing or shut in) Abandoned	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL. GAS - MCF. WATER - BBL. OIL GRAVITY-API (CORR.)
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)		TEST WITNESSED BY	
35. LIST OF ATTACHMENTS Casing parted after drilling to 1,444' KB. Well plugged and abandoned.			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED Christopher S.W. Hill		TITLE Operations Engineer	
DATE 7-23-91			

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

6. Lease Designation and Serial Number

NOG 8702-1116

7. Indian Allottee or Tribe Name

Navajo Tribal

8. Unit or Communitization Agreement

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
 (Use APPLICATION FOR PERMIT for such proposals.)

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other (specify)

9. Well Name and Number

Heron 35-H

2. Name of Operator

Chuska Energy Comapny

10. API Well Number

43-037-31615

3. Address of Operator

3315 Bloomfield Hwy. Farmington, Nm. 87401

4. Telephone Number

505-326-5525

11. Field and Pool, or Wildcat

Wildcat

5. Location of Well

Footage : 1860' FNL, 370' FEL

QQ. Sec. T., R., M. : S35-T41S-R25E

County : San Juan

State : UTAH

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate Date Work Will Start _____

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|---|---|
| <input checked="" type="checkbox"/> Abandonment * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Plugged well as follows:

Plug #1:	1,444' - 1,344'	60 sx	Bottomhole
Plug #2:	851' - 751'	60 sx	Navajo Sandstone
Plug #3:	617' - 423'	100 sx	Csg shoe/parted joint
Plug #4:	50' - 0'	25 sx	Surface plug

All plugs Class 'G' with 2% CaCl₂. Verbal approval to plug from Wayne Townsend, BLM, at 0834 hrs, 7-21-91.

SEP 0

14. I hereby certify that the foregoing is true and correct

Name & Signature Barry A. Wieland

(State Use Only)

Title Operations ManagerDate 5-26-93

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT--" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Chuska Energy Company

3. Address and Telephone No.

3315 Bloomfield Highway, Farmington, NM 87401 505-326-5525

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1860' FNL, 370' FEL, S35, T41S, R25E

FORM APPROVED

Budget Bureau No. 1004-0135
Expires: March 31, 1991

5. Lease Designation and Serial No.

NOG 8702-1116

6. If Indian, Allottee or Tribe Name

Navajo Tribal

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Heron 35-H

9. API Well No.

43-037-31615

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

San Juan, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☒ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Lining Casing
☐ Other
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on well
Completion or Recompletion Report and Log Form)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work, if well is directional, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Plugged well as follows:

Plug #1: 1,444' - 1,344' 60 sx Bottomhole
Plug #2: 851' - 751' 60 sx Navajo Sandstone
Plug #3: 617' - 428' 100 sx Csg shoe/parted joint
Plug #4: 50' - 0' 25 sx Surface plug

All plugs Class 'G' with 2% CaCl₂. Verbal approval to plug from Wayne Townsend, BLM, at 0834 hrs, 21 Jul 91.

Approved by _____
Specialty Underwriter License No. _____
Numbered and dated for completion.

14. I hereby certify that the foregoing is true and correct

Signed Christopher S. Hill Title Operations Engineer

Date 22 Jul 91

(This space for Federal or State office use)

Approved by _____ Title _____

Conditions of approval, if any

Date

OPERATOR

01 FARMINGTON, N.M.

JUL 23 AM 11:25

RECEIVED
BLM

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS <small>Do not use this form for proposals to drill new wells, deepen existing wells, or to render plugged and abandoned wells.</small> <small>Use APPLICATION FOR PERMIT for such proposals.</small>		6. Lease Designation and Serial Number																											
		NOG 8702-1116																											
		7. Indian Allottee or Tribe Name																											
		Navajo Tribal																											
		8. Unit or Communitization Agreement																											
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify)		9. Well Name and Number																											
2. Name of Operator Chuska Energy Company		10. API Well Number 43-037-31615																											
3. Address of Operator 3315 Bloomfield Hwy. Farmington, NM 87401		4. Telephone Number 505-326-5525																											
5. Location of Well Footage : 1860' FNL, 370' FEL QQ, Sec. T., R., M. : S35-T41S-R25E		11. Field and Pool, or Wildcat Wildcat																											
		County : San Juan State : UTAH																											
12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA																													
NOTICE OF INTENT <small>(Submit in Duplicate)</small> <table style="width:100%;"> <tr> <td><input checked="" type="checkbox"/> Abandonment</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Casing Repair</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input type="checkbox"/> Change of Plans</td> <td><input type="checkbox"/> Recompletion</td> </tr> <tr> <td><input type="checkbox"/> Conversion to Injection</td> <td><input type="checkbox"/> Shoot or Acidize</td> </tr> <tr> <td><input type="checkbox"/> Fracture Treat</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Multiple Completion</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td><input type="checkbox"/> Other _____</td> <td></td> </tr> </table>		<input checked="" type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recompletion	<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Shoot or Acidize	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> Other _____		SUBSEQUENT REPORT <small>(Submit Original Form Only)</small> <table style="width:100%;"> <tr> <td><input type="checkbox"/> Abandonment *</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Casing Repair</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input type="checkbox"/> Change of Plans</td> <td><input type="checkbox"/> Shoot or Acidize</td> </tr> <tr> <td><input type="checkbox"/> Conversion to Injection</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Fracture Treat</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td><input type="checkbox"/> Other _____</td> <td></td> </tr> </table>		<input type="checkbox"/> Abandonment *	<input type="checkbox"/> New Construction	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Shoot or Acidize	<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> Other _____	
<input checked="" type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction																												
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<input type="checkbox"/> Other _____																													
Approximate Date Work Will Start _____		Date of Work Completion _____																											
<small>Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.</small> <small>* Must be accompanied by a cement verification report.</small>																													

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Drilled out surface casing and drilled to 1,444. Determined that a joint of casing had come loose. Decision made to plug well and skid rig to new location. Well will be plugged as follows:

Plug #1	1,444' - 1,344'	60 sx	Bottomhole
Plug #2	851' - 751'	60 sx	Navajo Sandstone
Plug #3	617' - 428'	100 sx	Csg shoe/parted joint
Plug #4	50' - 0'	25 sx	Surface plug

All plugs will be Class 'G' with 2% CaCl₂. Verbal approval to plug from Wayne Townsend, BLM, at 0834 hrs, 7-21-91. Advised BLM (recording of intent to plug, at 0845hr, 7-21-91.)

SEP 0

14. I hereby certify that the foregoing is true and correct

Name & Signature

Barry A. Wieland



Title Operations Manager

Date 5-26-93

(State Use Only)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
☐ Oil ☐ Gas ☐ Other
☐ Water ☐ Well ☐ Other

2. Name of Operator

Chuska Energy Company

3. Address and Telephone No.

3315 Bloomfield Highway, Farmington, NM 87401 505-326-5525

4. Location of Well (Footage, Sec., T., R., N., or Survey Description)

1860' FNL, 370' FEL, S35, T41S, R25E

FORM APPROVED

Budget Bureau No. 1004-3135

Expires: March 31, 1993

5. Lease Designation and Serial No.

NOG 8702-1116

6. If Indian, Allotment or Tribe Name

Navajo Tribal

7. If Unit or GA, Agreement Designation

8. Well Name and No.

Heron 35-H

9. API Well No.

43-037-31615

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

San Juan, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☒ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Alconing Casing
☐ Other
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-off
☐ Conversion to Injection
☐ Dispose Water

(Note: Record results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work, if well is directional, drilled, give subsurface locations and measured and true vertical depths for all markers and cores pertinent to this work.)*

Drilled out surface casing and drilled to 1,444'. Determined that a joint of casing had come loose. Decision made to plug well and skid rig to new location. Well will be plugged as follows:

Plug #1:	1,444' - 1,344'	60 sx	Bottomhole
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Plug #3:	617' - 428'	100 sx	Csg shoe/parted joint
Plug #4:	50' - 0'	25 sx	Surface plug

All plugs will be Class 'G' with 2% CaCl₂. Verbal approval to plug from Wayne Townsend, BLM, at 0834 hrs, 21 Jul 91. Advised BLM (recording) of intent to plug, at 0845 hrs, 21 Jul 91.

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct

Signed

Title Operations Engineer

Date 21 Jul 91

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instructions On Reverse Side

OPERATOR

RECEIVED
BLM
91 JUL 23 AM 11:26
FARMINGTON, N.M.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
 Use APPLICATION FOR PERMIT for such proposals.

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify)		6. Lease Designation and Serial Number NOG 8702-1116
2. Name of Operator Chuska Energy Company		7. Indian Allottee or Tribe Name Navajo Tribal
3. Address of Operator 3315 Bloomfield Hwy, Farmington, NM 87401		8. Unit or Communitization Agreement
4. Telephone Number 505-326-5525		9. Well Name and Number Heron 35 H
5. Location of Well Footage : 1860' FNL, 370' FEL QQ, Sec. T., R., M. : S35-T41S-R25E		10. API Well Number 43-037-31615
County : San Juan State : UTAH		11. Field and Pool, or Wildcat

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
NOTICE OF INTENT (Submit in Duplicate)		SUBSEQUENT REPORT (Submit Original Form Only)	
<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction	<input type="checkbox"/> Abandonment *	<input type="checkbox"/> New Construction
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recompletion	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Shoot or Acidize
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Shoot or Acidize	<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off	<input checked="" type="checkbox"/> Other	Spud/Surface casing
<input type="checkbox"/> Other			
Approximate Date Work Will Start _____		Date of Work Completion _____	
Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. * Must be accompanied by a cement verification report.			

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

MIRU Aztec rig #222 spudded 1545 hrs, 7-18-91. Drilled 12 1/4" surface hole. RU and ran 12 joints 8 5/8", 24 bl/ft, K-55, STC casing to 523'. Cemented with 375 sx Class 'G' cement with 2% CaCl₂ and 1/4# sx celloflake. Circulated 10 bbl slurry to pit. Notification of spud to BLM (recording), by Chris Hill, at 1640 hrs, 7-17-91.

14. I hereby certify that the foregoing is true and correct

Name & Signature Barry A. Wieland

(State Use Only)

Title Operations Manager Date 5-26-93

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well:
☐ Oil Well ☐ Gas Well ☐ Other

SFP 0

2. Name of Operator

Chuska Energy Company

3. Address and Telephone No.

3315 Bloomfield Highway, Farmington, New Mexico 87405-326-5525

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1860' FNL, 370' FEL, S35, T41S, R25E

FORM APPROVED

Budget Bureau No. 1034-3135

Expires: March 31, 1991

5. Lease Designation and Serial No.

NOG 8702-1116

6. If Indian, Allottee or Tribe Name

Navajo Tribal

7. If Joint or CA, Agreement Designation

8. Well Name and No.

Heron 35-H

9. API Well No.

43-037-31615

10. Field and Pool, or Exploratory Area

Wilcat

11. County or Parish, State

San Juan, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Spud/Surface Casing
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-off
☐ Conversion to Injection
☐ Dispose Water

(Note: Record results of multiple completion on 457
Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directional, drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

MIRU Aztec Well Services Rig #222. Spudded 1545 hrs, 7-18-91. Drilled 12 1/4" surface hole. RU and ran 12 joints 8 5/8", 24 lb/ft, K-55, STC casing to 523'. Cemented with 375 sx Class 'G' cement with 2% CaCl₂ and 1/4 lb/sk Celloflake. Circulated 10 bbl slurry to pit. Notification of spud to BLM (recording), by Chris Hill, at 1640 hrs, 7-17-91.

RECEIVED
BLM
91 JUL 23 AM 11:25
610 FARMINGTON, N.M.

14. I hereby certify that the foregoing is true and correct

Signed

Title Operations Engineer

Date 22 Jul 91

(This space for Federal or State office use)

Approved by

Title

Conditions of approval, if any

ACCEPTED FOR RECORD

AUG 06 1991

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instructions On Reverse Side

BY

OPERATOR

ENTITY ACTION FORM - FORM 6

OPERATOR CHUSKA ENERGY COMPANY

OPERATOR ACCT. NO. N 9290

ADDRESS _____

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99998	11480	43-037-31615	HERON 35H	SENE	35	41S	25E	SAN JUAN	7-18-91	
WELL 1 COMMENTS:											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

L. CORDOVA (DOGM)
Signature

ADMIN. ANALYST 5-14-93
Title Date

Phone No. () _____

UTAH COMPLETIONS

FINAL CLASS: WF = UNSUCCESSFUL NEW FIELD WILDCAT; WFD = NEW FIELD DISCOVERY; WD = UNSUCCESSFUL DEEPER POOL WILDCAT; WDD = DEEPER POOL DISCOVERY; WS = UNSUCCESSFUL SHALLOWER POOL WILDCAT; WSD = SHALLOW POOL DISCOVERY; WP = UNSUCCESSFUL NEW POOL WILDCAT; WPD = NEW POOL DISCOVERY; WO = UNSUCCESSFUL WILDCAT OUTPOST; WOE = WILDCAT OUTPOST EXTENSION; D = UNSUCCESSFUL DEVELOPMENT WELL; DO = DEVELOPMENT OIL WELL; DG = DEVELOPMENT GAS WELL.

SAN JUAN COUNTY

CHUSKA ENERGY
35H HERON
API 43-037-31615

35-41S-25E
NE SE NE
1860 FNL 370 FEL
IC 430377001191

WILDCAT; 5760, (FR 03/15/91DN) OPER ADD: 3315 BLOOMFIELD HWY, FARMINGTON, NM, 87401 PHONE (505) 326-5525; EL: 4650 GR; LOCATION DATA: 1 1/2 MI E CLAY HILL FLD; DESERT CREEK) 24 MI SE BLUFF, UT; AMMANN BASE MAP UT-9.

WF
J&A

CONTR: NOT RPTD; SPUD: 07/18/91 (EST), CSG: 8 5/8 @ 527; 600 TD, (UNKNOWN) (TD REACHED: 07/20/91); 600 TD. COMP 7/20/91, J&A. NO CORES OR DSTS

*Reg shielded - No APP - Named new well Heron 35H - (A)
No API*

UINTAH COUNTY

COASTAL O&G
107 NATURAL BUTTES
API 43-047-31916

26-9S-21E
SE SE NW
1996 FNL 2148 FWL
IC 430477003490

NATURAL BUTTES; 6100 WASATCH, (FR 12/06/90CA) OPER ADD: BOX 749, DENVER, CO, 80201-0749 PHONE (303) 572-1121; EL: 4925 KB; LOCATION DATA: 9 1/2 MI SE OURAY, UT; AMMANN BASE MAP UT-8, POMCO MAP U-26.

DG
GAS

CONTR: COASTAL DRILG. RIG #2; SPUD: 02/19/91, CSG: 8 5/8 @ 270 W/180 SX, 5 1/2 @ 8120 W/2844 SX; LOG TYPES: CBL, CCL, FDC, CALP 258-8118, CNL 2700-8118, DILL 258-8118, GRL 258-8118; LOG TOPS: WASATCH 4760, MESAVERDE 7376; 8125 TD, (MESAVERDE) (TD REACHED: 04/17/91) 8068 PBD RIG REL: 04/18/91; PRODUCING INTERVAL(S) DATA: PERF (WASATCH) 7174, 7178, 7447, 7456, 7460, 7578, 7584, 7589, 7686, 7698, 7705, 7791, 7798, 7807, 7862, 7865, 8036, 8041, W/1 PF, ACID (7174-8041) W/ 170 BBLs. 7 1/2% HCL & 3% KCL, 8125 TD, PB 8068. COMP 5/13/91, IPF 480 MCFGPD, 20/64 CK, FTP 275, FCP 450. PROD ZONE - WASATCH 7174-8041(GROSS). NO CORES OR DSTS

COASTAL O&G
140 NBU
API 43-047-31947

5-10S-22E
SE NW NE
1031 FNL 1879 FEL
IC 430477002791

NATURAL BUTTES; 5850 WASATCH, (FR 02/13/91CA) OPER ADD: BOX 749, DENVER, CO, 80201-0749 PHONE (303) 572-1121; EL: 5163 KB; LOCATION DATA: 14 MI SE OURAY, UT; AMMANN BASE MAP UT-8,

DG
GAS

CONTR: CIRCLE DRILG. RIG #7; SPUD: 03/22/91, CSG: 8 5/8 @ 263 W/180 SX, 5 1/2 @ 5964 W/1145 SX; TBG: 2 3/8 @ 4783; LOG TYPES: CALP 0-5990, CDL 2600-5990, CNL 2600-5990, DLL 0-5990, GRL 0-5990, 2600-5990; LOG TOPS: WASATCH 4503; 6003 TD, (WASATCH) (TD REACHED: 04/13/91) 5960 PBD RIG REL: 04/20/91; PRODUCING INTERVAL(S) DATA: PERF (WASATCH) 4853, 4861, 4865, 5259, 5269, 5276, 5396, 5402, 5405, 5618, 5790, 5791, 5796, 5799, 5802, 5912, 5917, 5922, 5929, W/1 PF, ACID (4853-5929) W/ 4000 GALS. 3% KCL, 6003 TD, PB 5960. COMP 4/30/91, IPF 155 MCFGPD, 20/64 CK, FTP 50, FCP 125. PROD ZONE - WASATCH 4853-5929(GROSS). NO CORES OR DSTS

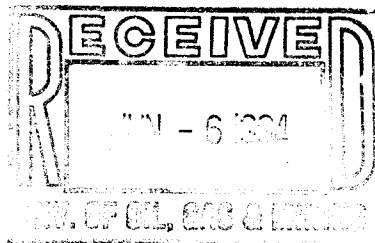


HARKEN SOUTHWEST CORPORATION

(formerly Chuska Energy Company)

June 2, 1994

State of Utah
Division of Oil, Gas and Mining
355 N. Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203



Gentlemen:

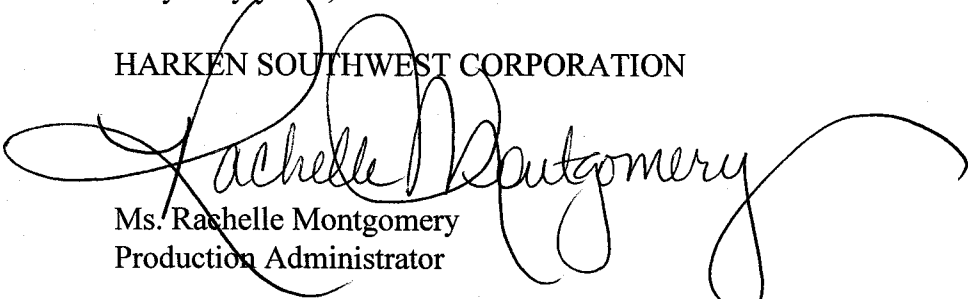
Enclosed please find copies of the P&A reports on the following wells, as submitted to and approved by the BLM:

N. W. Cajon 11-1	43-037-31510 (#11210)	San Juan Co., UT
Heron 35 H (A)	43-037-31615 (#11499)	San Juan Co., UT

I hope this documentation will be sufficient to remove the above referenced wells from the Monthly Oil and Gas Production Report (Form 10). However, if additional information is required, please contact the undersigned at the letterhead address.

Very truly yours,

HARKEN SOUTHWEST CORPORATION


Ms. Rachelle Montgomery
Production Administrator

/rlm
Enclosures (2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	3. Lease Designation and Serial No. 8702-11168707-1215
2. Name of Operator Chuska Energy Company	6. If Indian, Allottee or Tribe Name Navajo Tribal
3. Address and Telephone No. 3315 Bloomfield Highway, Farmington, NM 87401 505-326-5525	7. If Unit or CA, Agreement Designation N/A
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1853' FNL & 351' FEL Section 35-Township 41 South-Range 25 East	8. Well Name and No. Heron 35 H(A) #1
	9. API Well No. 43-037-31615
	10. Field and Pool, or Exploratory Area Wildcat
	11. County or Parish, State San Juan County, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other P&A
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work, if well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Commence plugging operations at 1:30 p.m., on Wednesday, October 27, 1993.
Set Retainer and sting out of Retainer. Displace hole w/ 9.33 ppg mud, sting into Retainer Plug #1, mix and pump 35 sx Class 'B' Neat Cement. Displace 30 sx thru Retainer, sting out and displace 5 sx on Retainer. Down @ 4:04 p.m., plug well as follows: Plug #2 4582' - 4382' w/ 25 sxs, Plug #3 1212'-1012' w/ 25 sxs, Plug #4 620'-420' w/ 25 sxs, Plug #5 120'-0' w/ 15 sxs.

Ref. to 5485'

RECEIVED
NOV - 1 PM 3:48
BLM
FARMINGTON, NM

CONFIDENTIAL

Approved as to plugging of the well bore.
Liability under bond is retained until
surface restoration is completed.

14. I hereby certify that the foregoing is true and correct

Signed [Signature] Title Operations Manager Date 10/27/93
(This space for Federal or State office use)

Approved by _____ Title _____
Conditions of approval, if any:

APPROVED

NOV 4 1993

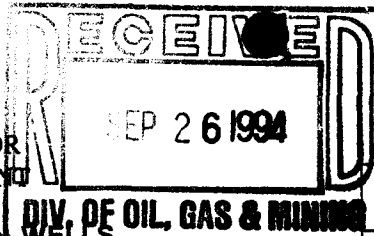
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false statement or representation as to any matter within its jurisdiction.

DISTRICT MANAGER

*See instruction on Reverse Side

OPERATOR

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT



FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

6. Lease Designation and Serial No.

NOG 8707 1215

8. If Indian, Allottee or Tribe Name

Navajo Tribal

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well

☐ Gas Well

☒ Other

P&A

2. Name of Operator

Harken Southwest Corporation

3. Address and Telephone No.

P. O. Drawer 612007 - Dallas, TX 75261

(817) 695-4900

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1860' FNL & 370' FEL Section 35-41S-25E

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Heron 35H

9. API Well No.

43-037-31711 21615

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

San Juan, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other

Reclamation

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Harken Southwest has filled in the reserve pit and restored the surface areas disturbed during drilling operations on the subject location.

Please be advised final reclamation and reseeding is scheduled for Monday, September 26, 1994.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY**

CC: BIA

Navajo Nation - Minerals Dept
State of Utah

14. I hereby certify that the foregoing is true and correct

Signed

Richard Montgomery

Montgomery

Title

Production Administrator

Date

9/22/94

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date